
Subject: Re: idl - Mysql interface

Posted by [Wox](#) on Tue, 21 Nov 2006 10:12:26 GMT

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On 20 Nov 2006 08:59:41 -0800, "Brian Larsen" <balarsen@gmail.com> wrote:

> The situation is that I have a large (~15M records) database that I
> would like to play with the data in idl and using the power of the
> database I can do an appropriate select of the data before I read it
> into idl.

The dataminer was already mentioned. I don't know much about databases, but I'd guess you can use the "WHERE"?

Some code to play around with is displayed below. Check IDLdbDatabase methods for setting and getting data. (Maybe you know much more about this? If not, this might get you started.)

You could also use Marc Buie's code, as mentioned, to save you some work :-).

I don't know whether this is what you were asking for...

pro test

```
objDB = OBJ_NEW('IDLdbDatabase')
```

```
;On Windows:
```

```
ODBCstr="DRIVER={MySQL ODBC 3.51  
Driver};SERVER=servername;DATABASE=databasename;  
USER=username;PASSWORD=*****;OPTION=3;"  
objDB->Connect,connection=ODBCstr
```

```
; On Linux I couldn't get this to work, so I did this:
```

```
; Add this to .odbc.ini:
```

```
;  
;  
;[ODBC Data Sources]  
;...  
;MyODBC=MySQL ODBC 3.51 Driver  
;.  
;.  
;.  
;.  
;[MyODBC]
```

```
;Driver = /usr/lib/libmyodbc3.so
;Description = MySQL ODBC 3.51 Driver
;SERVER = servername
;USER = username
;Password = *****
;Database = databasename
```

```
; Uncomment for linux (comment previous lines)
;ODBCstr="MyODBC"
;objDB->Connect,datasource=mysqlinfo
```

```
if OBJ_VALID(objDB) then begin
  table='tablename'
  ; Do your database stuff (check IDL's help on IDLdbDatabase)
  ; Some examples:
```

```
  author='Brian A. Larsen'
  a=3
  v=3
  objDB->ExecuteSQL, $
    "UPDATE "+table+" SET a = "+string(a)+" WHERE v=
    "+string(v)
```

```
  objDB->ExecuteSQL, $
    "DELETE FROM "+table+" WHERE v1= "+string(v)
```

```
  objDB->ExecuteSQL, $
    "INSERT INTO "+table+"(author,v,datetime) VALUES
    (""+author+"",""+string(v)+"",CURRENT_TIMESTAMP)"
  endif
```

```
obj_destroy,objDB
```

```
end
```
